

CLAIMS

1. A stretchable synthetic resin film which can be used for the packaging of foodstuffs, characterized in that it comprises a main layer of polyvinyl chloride (PVC) with a high content of exclusively polymer plasticizers of the PPA type and the like, and at least one thin outer layer of non-toxic thermoplastic synthetic resin capable of preventing the transmission of particles present in the PVC.
2. A stretchable synthetic resin film, which can be used for the packaging of foodstuffs, characterized in that it comprises an inner layer of polyvinyl chloride (PVC) with a high content of exclusively polymer plasticizers of the PPA type and the like and at least two opposite thin outer layers of non-toxic thermoplastic synthetic resin capable of preventing the transmission of particles present in the PVC.
3. Film according to claim 1 or 2, characterized in that said outer thin layer or layers are comprised of substances included in the group of resins such as ethylene-vinyl acetate (EVA), stretchable polystyrene (PS), polyethylene (PE), ionomer resins, polybutadiene, and the like.
4. Film according to claim 1 or 2 or 3, characterized in that the main layer has a thickness of the order of 8  $\mu\text{m}$  to 20  $\mu\text{m}$  and the thin outer layers have thicknesses from 2  $\mu\text{m}$  to 5  $\mu\text{m}$ .
5. Film according to at least one of claims 1, 2, 3 and 4, characterized in that the polymer plasticizer in the intermediate layer of PVC is present in a quantity of at least 38% or more with respect to the PVC (by weight).
6. Film according to at least claim 4, characterized in that the polymer plasticizer present in the principal thickness is selected from one or more of the group comprising polyesters of sebacic acid, adipic acid and azelaic acid and glycols.
7. Film according to at least claim 4 or 5, characterized in that the polymer plasticizer is selected from the plasticizers HEXAPLAS and SANTICIZER 438 or mixtures of these and/or PRIPLAST 3149, and others.
8. Film according to at least claims 1, 2 and 3, characterized in that an EVA with a vinyl acetate content of less than 10% is used for the thin outer layer or layers.
9. Film according to at least claims 1 to 3, characterized in that it

comprises EVA-PVC-EVA.

10. Film according to at least claim 2 and 2, characterized in that it comprises PS-PVC-PS, all stretchable layers.

5 11. Film according to claim 2, characterized in that it comprises PS-PVC-EVA.

12. Film according to at least claim 2, characterized in that it comprises PE-PVC-PE.

13. Film according to at least claim 2, characterized in that it comprises PE-PVC-PS.

10 14. Film according to at least claim 2, characterized in that it comprises PE-PVC-EVA.

15. Film according to at least one of the preceding claims, characterized in that an antifogging substance (lipophilic and hydrophilic anticondensation agent) is added.

15 16. Film according to at least one of the preceding claims, characterized in that it is obtained by tubular bubble coextrusion.

17. A plant for the manufacture of film according to one of the preceding claims.